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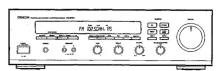
Hi-Fi AM-FM Stereo Receiver

SERVICE MANUAL



#### MODEL DRA-585RD

**AM-FM STEREO RECEIVER** 





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NIPPON COLUMBIA CO., LTD.



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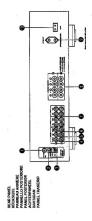
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DRA-585RD



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## SPEAKER CONNECTION Softm pointy (+,) and let and right channels U be goelen pain to the SPEAKER britishes A or next, Connection that the male with power cost

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ANTENNA IS	PHI ANTENNA The supplied ind houses for recel signals. Sneich autiente on the actioned. An ind stable recedent stable recedent.

cosset cable (30-2V, 60-2V) is strongly recommended.	AMANTENNA	Attach the supplied AM loop amenia even when calling a cation AM extent.	Cornect the leads to the AM and GND torsinals.	Also use the AM terminals for consecting an outfloor Al	ansered (when making such a correction do not discorde	the AM loop animans).	Adjust the loop anterna to obtain optimum reception. While	broadcast starbers are distant and only work signals as	received or where signals are blocked, it is box to inspall a	Output Mil solvens.		•	AMATERIA MATERIAN AM
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G CD The comput control the CD player is connected the	A VIDEO A VIDEO, such se a VCR or Video Disc may be o
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FM ART (FM autoexa terminals)     Sofun copail cable can be connected to the terminal. For entering connection connected to the terminal. For entering connection connections.	G GND (Grounding terminals) A VIDEO A
•	•

SPEAKER SYSTEMS (Speaker terminals)
Twopsis of speakers A and B can be connected to

# DESIGNATIONS AND FUNCTIONS OF PANEL CONTROLS (Refer to Page 3.) FRONT PANEL.

VOLLIME (Voltume control)     Tis two is used to apart the volume level of total channels.     Tirk have broad coolede attention they volve and counterchockels level.     Interest in the control of the control o	<ul> <li>Imput selector (Input selector buttons)</li> <li>These buttons are used to select the suito-tract counts.</li> <li>PRINC). Press by sign are accordingly or connected to the suito-tract player connected to the suito-tract player connected.</li> </ul>	CD: Press to lister to a complet due player or anoti component commenced to the CD imput justs.	VIDEO: Use whee playing back the audio from a 19-51 vide
•	•		
<ul> <li>POWER (Power ONLSTANDBYTOPF Switch)</li></ul>	celunios/Chymfinhopowerbannon/mismodecontrol, liferand, will not be usodifice extrahed period, be saw to turnigo unit OFF from the frost panel power switch.  NOTE: The unit includes a STANDRY projection leasure. Title	terbanisadesegrecito prevent accidental terra contomine. 51 FAMORY mode in the event of a power labura, Stroule AC power the discorrectal and their recurrenced when	fre unit is in STANDBY mode, the unit will return the STANDBY mode.  Town the unit ON tenthe STANDBY modewather unite.

t, for Press Unit business sein TUNER hencilon.	Tape selector (Tape TAPE-1: Press the bus TAPE-1: Press the bus TAPE-2: Press the bus
Commet a pat of headphones (sold separately) to this jack for private/contring.	SPEAKERS (Spanker selector seitches) There enfairs us used to select spooke system A and B. No sourcist hard fraughther-spoakers when both selectes are resec-

in Lianger Estings (Remova control serson) his bonosmoviersha left erdightstypssizeldeformbewiss ormoriosomic up. ormoriosomic up.
HSOR (Remote everthelefe rost unz. mo, point the view

(d) the control doctories. When the control doctories in the frequency characteristic care. Turn the control doctories to increase the	BINDOOMER ID GOODBIEN.	
NSS (Bass control) selfecontolia agastra set ta the center positi slow 1,000 kishis fat. Tu	As responde and countries	

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MEMORY (Memory button)
This switch is used to stee the de
 SMIFT / PTY button

A founding excession.  All plantames can be get up to 8 characters;  The logal characters can be reful to be prese characters;  Operation.  1. Press the REG leaton © curring.  (The cares that has all the fine to be and in	2. Use re-Trustee Ure to DOMPHouse (Boulet the charge (I'm seed fluores) (I'm seed fluores)	R Press the September on week the cursor before residition in the cursor delaters at the record places.	R. Repeat start above to tops to the describer.	RDCK-CT-	1. The Chancers are set the scoons than the type provides on the State May Approximate the Table State Stat
1. Using the supplement more consistent and in the growth of prefer movement have and in which may be a more consistent and were and in which the lead of the consistent and in a well-some entirely. We see function to state the RICK detection on the major more consistent and in the present suideren have been stand with the function.	Operation  Connection But nature and celt to delite further coming  Residence (Connection But nature)  Residence (Connection But nature)	S. Skinding yes, statistics at the agent charged.  The recipion forecarcy, ROS service showinger, litting from control and a fact an abstract authors associately forecast in recipion for service and a fact and a service and a service and a fact and forecast forecast from the service and a fact and forecast forecast from the service and a service and	Operation  1. Press Activities (B. (The VEIO Deformations)  2. Use the SERFETT Valent (B. the VEIO Deformations)  4. Use the VEIETT Use of Other Laten (B. or short for the Month at Weight (B. or See The VEIO) (B. or See The VEIO)  4. Press New York (C. or See The VEIO) (B. or short for the VEIO) (B. or short of the VEIO) (B. or	Recolling present character     Date the Extra population to recall present character	Oppose part (FFT kenne) de oxient hie lates A. D. L.  2. Looke part (FFT kenne) de oxient hie lates A. L.  2. Looke part (FFT kenne) de oxient hie lates de natural entandor sonant hie lates (FFT kenne) de lates and hie lates (FFT kenne) de

AUTO indicator This indicates the haring mode. It lights in the auto mode and remains of in the manned mode. Table of characters
The characters are input in the order shows to the right. Use the TUNNE buttons the present the desired characters.

+ ABE BEFGHIJKL MNGPGRSTUVWXYZ L+D 1234567B9E\J-8, O x+ - , /= smos

STEREO indicator
This fights when motiving mans broadcasts. It remains off when receiving states broadcasts.

RT wideator
 The lights when the RAUTO TEXT hatton is pressed.
 PHY translation
 THAN State of Art (Programm Tipe) see
 TUNED indicator
 The lights when a state or property transla.

Treatment and the second and the second and treatment and	
THE CONTROL OF THE CO	
A control of the cont	
Control and the formation for the major (Control and Control and C	

The remove corrult and uses size "AA" (R0) dry cell batteries.
 The batteries will need to be replaced approximately once a year. This will depend upon how often the remote country its

The accessory RQ-124 remains control withis used to confect the RECEIVER from a distance. PLAYBACK USING THE REMOTE CONTROL (1) Inserting the city cell betteries 1. Pomice the nest coeff on the remote coeffect unit. ce the betracker. sely, following the diagram on the opyrunk, and marking zure loakgotte

the results control falls to operate pocificin, it is dine to replace the innert the tablemes properly, to remote control ballows propply unit plus and mass solars deleted a ballowing as an proce to describ ba





- POWER button





TAPE SELECTOR largone INPUT SELECTOR pulsons









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## TROUBLESHOOTING

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Problèm	Cause	Epitately
FM AND AM RECEPTION		
Radio program can not be recolved.	Astensa correction is wrong.     A signal sheapth is week.	Check the connection.     Check the answers installation.
Notion is seproducted.	A signal strength is week.     Metanoside spriken notice interferes     With recognism.     Other electrical repaignment benchman with recognism.	testal an buddoor instructs.     Koop the sentents away from the states.     Koop the equipment away from this open of the of the other options of the other options.
The perset frequencies are aresod.	The memory back-up tenn (about 1 mouth) phoses.	- Presed again.
In automatic busing, the frequency deceant stop at the radio station.	Asignal strongth is weath.	Use manufacing.
In automatic busing, it stage at the one stap lower or higher frequency than the radio station.	Nelse or strong signed strength is recoived.	Use menusi taning for optionen reception.
STATISTICAL CHAIR SALE SO MONEYA IN		

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### SPECIFICATIONS

Continues from Output	NOW - 10 W (4 orms, 1 kilb)	me, 1 kilby		DMESS SECTION UNited by M. 15 chms, 0 ctt.	14.10*10	
Power Bandwith (187):	10 Nz - 40 Milz (TAKD, 0.16% both, champer difference between	CARD. D18%	Both clawers	Upake Sentilides 0.5 pt (10.3 elit)	0.5 97 (10.3 62)	
Cotal Rawwork Distingery	9.00% (-3 db.et.m	Sed comme. 8 of	-	Darwie	SPRES	# # # # # # # # # # # # # # # # # # #
Trequency Basponse:	PHOND RIKK Standars Cane Determing Calv. 848	Mens Cane I	According Out	brago Rejection: Selectivity is 200 skpt.	88	!
	CO. WIDEO. TAPE 1, TAPE 2	2014 - 2010/2 10540 2014 - 5010/2 13540 34110	81777 81178	Frequency Response.	1014c - 15 tot: 10.2 db	158
Separation of the second	MICHON MAN	25.00	, roper	Serves Separations Let 1 kito):	8	
	CO. VIDEO.	Vaniti.	25 Achant	Beckery Perge	522 - 1611 Me	
anternan input Level (2x 1 tab) (2x 1 tab)	PHONOM	Ve. 051		Deade Smithely Spral to hote Rate:	76 8	
9-46	PACINONAL CO. YORK. TAPE.1, TAPE.2	Te de California Impais No Ali	index judent	General Frame Supply	AC 230 V SO HE	
Sont Controls:	BASS	A 10 dB at 100 14	410	Forms Consumptions	28.061	
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				and by	120 g (networks becokes)	Month

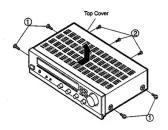
hand specifications are subject to change without prior nature

#### DISASSEMBLY

(To reassemble reverse disassembly)

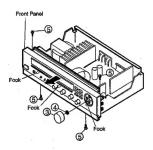
#### 1. Top Cover

- (1) Remove 4 screws ①.
- (2) Remove 3 screws 2.



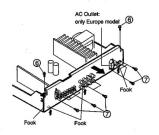
#### 2. Front Panel

- (1) Pull out Volume knob 3.
- (2) Remove nut 4.
- (3) Remove 4 screws (5) and undo hooks at 3 places.

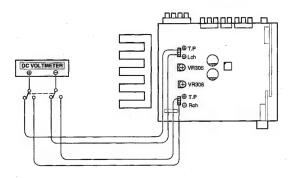


#### 3. Rear Panel

- (1) Remove 2 screws 6 and 12 fixing screws 7.
- (2) Remove hooks at 3 places in arrow direction (1).



#### **METHOD OF ADJUSTMENTS**



#### IDLING CURRENT

(1) Set controls as follows.

POWER Switch → off (■)

VOLUME Control → 0 (min.)

SPEAKERS → off (■)

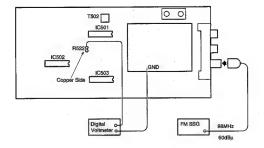
Temperature → 15°C ~ 30°C (59°F ~ 86°F)

VR305 and VR306 of the 1U-2817 (Main Unit) → MIN. ( )

- (2) Connect DC Voltmeter to the T.P Lch and T.P Rch of the 1U-2817.
- (3) Turn the Power Switch on and rotate VR305 clockwise so that the DC Voltmeter reads 3 mV ±0.2 mV DC at the T.P. Lch. Follow the same procedure to VR306 for T.P.Rch.
- (4) Warm up for three minutes, then readjust VR305 and VR306 so that the DC Voltmeter reads 3 mV ±0.5 mV DC.
- (5) Warm up for 10 minutes, then readjust VR 305 and VR306 so that the DC Voltmeter reads 2.7 mV ±0.5 mV DC.

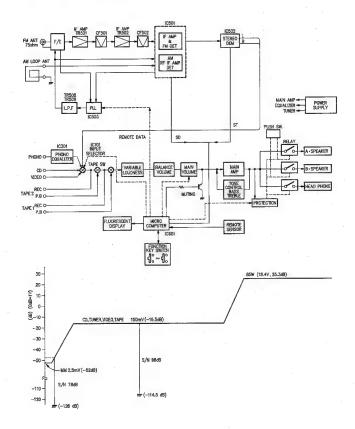
#### CONNECTINON DIAGRAM OF MEASURING INSTRUMENTS

#### • FM SECTION



Adjust T502. Potential difference across R522 should be within 50mV.

#### **BLOCK/LEVEL DIAGRAM**



Ref. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks
R401	247 0013 900	Carbon chip 220kohm 1/10W	RM73B224J	C331,332	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M
B402	247 0009 985	Carbon chip 10kohm 1/10W	RM73B103J	C333,334	254 4260 922	Electrolytic 0.33µF/50V	CE04W1HR33M
B403	247 0009 901	Carpon chip 4.7kghm 1/10W	RM73B-472J	C335,336	257 0004 961	Ceramic chip 100pF/50V	CC73SL1H101J
R404.405	247 0007 945	Carbon chip 1kohm 1/10W	RM73B-102J	C337,338	257 0002 992	Ceramic chip 20pF/50V	CC73SL1H200J
R406	247 0009 985	Carbon chip 10kohm 1/10W	RM73B-103J	C339,340	254 4254 925	Electrolytic 33µF/16V	CE04W1C330M
R407	247 0010 958	Carbon chip 20kohm 1/10W	PM73B203J	C341,342	257 0004 961	Ceramic chip 100pF/50V	CC73SL1H101J
R408	247 0009 985	Carbon chip 10kohm 1/10W	BM73B103J	A C353:354	256 1094 979	Matalized 011uF/50V	CF93A1HIO4J
R409	247 0007 945	Carbon chip 1kohm 1/10W	RM73B102J	C355,356	255 1265 978	Film 0.022F/50V	CQ93M1H223J(B)
R410	247 0009 901	Carbon chip 4.7kohm 1/10W	RM73B472J	C357	254 4260 948	Electrolytic 1mF/50V	CE04W1H010M
AB411	244 2051 987	Metal oxide film 4-70mm 1W	RS14B3A4P7JNBS(5)	C358	253 9030 963	Ceramic 0.01µF/25V	CK45=1E103K
∆8412	241 2577 947	Carbon 100olyn 1/4W	RD14B2E105JNBS	C359.360	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M
2.R415	241 2387 908	Carbon tohin 1/4W	RO14B2E010,INBS				
AR451 452	244 2052 902	Meter oxide tim 2.7kg/km / W	RIS14B3A272JINBS(S)	C401	254 4258 905	Electrolytic 4.7µF/35V	CE04W1V4R7M
1 B453	244 2051 990	Meta, code 6m 4 7konn 197	RS1463A472.IN6S(S)	C402	257 0012 966	Ceramic chip 0.01µF/50V	CK73F1H103Z
SIGNATURE SPECIAL PROPERTY OF THE PROPERTY OF	247 0011 944	Carbon chip 47kohm 1/10W	RM73B-473J	C403	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M
R460		THE RESIDENCE OF THE PROPERTY	RS14B3A272JNBS(S)S	C404.405	253 1181 904	Ceramic 0.01µF/50V	CK45F1H103Z
<b>1</b> R465 466	244 2052 902	Metal oxide film 2 7 rount TW Metal oxide film 5 8 komm TW		C404,403	259 0007 702	For back up 8200µF	SB CAP=822=C
△R467	244 2050 991	CONTRACTOR OF THE PROPERTY OF	RS14B3A562JNBS(S)	C405	254 4254 909	Electrolytic 10µF/16V	CE04W1C100M
R468	244 2052 957	Metal oxide film 5.6kohm 1W		C408	254 4403 734	Electrolytic 4700uF/25V	CE04W1E472MC(SMC
R475	247 0010 929	Carbon chip 15kohm 1/10W	RM73B153J	C409	254 4261 921	Electrolytic 100µF/50V	CE04W1H101M
		ļ			254 4260 948	Electrolytic 1µF/50V	CE04W1H010M
R701,702	247 0009 901	Carbon chip 4.7kohm 1/10W	RM73B-472J	C410	254 4260 948	, ,	CE04W1H100M
R703,704	247 0012 969	Carbon chip 150kohm 1/10W	RM73B154J	C451		Electrolytic 10µF/50V	CE04W1C330M
R705,706	247 0011 986	Carbon chip 68kohm 1/10W	RM73B~683J	C452 C453	254 4254 925 254 4250 945	Electrolytic 33µF/16V	CE04W0J331M
R707.708	247 0004 922	Carbon chip 47ohm 1/10W				Electrolytic 330µF/6.3V	
			RM73B470J				
R709,710	247 0005 992	Carbon chip 240chm 1/10W	RM738241J	C456	255 1265 936	Film 0.01µF/50V	CQ93M1H103J(B)
R709,710 R711,712	247 0005 992 247 0012 956	Carbon chip 240chm 1/10W Carbon chip 130kohm 1/10W	RM73B241J RM73B134J	C456 C459,460	255 1265 936 253 1151 905	Film 0.01µF/50V Ceramic 4700pF/500V	CQ93M1H103J(B) CK45E2H472P
R709,710	247 0005 992 247 0012 956 247 0009 998	Carbon chip 240chm 1/10W Carbon chip 130kohm 1/10W Carbon chip 11kohm 1/10W	RM73B241J RM73B134J RM73B113J	C456 C459,480	255 1265 936 253 1151 905 256 1042 903	Film 0.01µF/50V Ceramic 4700pF/500V Meralized 0.1uF/250V	CQ93M1H103J(B) CK45E2H472P CF33A2E194K
R709,710 R711,712 R713,714 R715,716	247 0005 982 247 0012 956 247 0009 998 247 0003 949	Carbon chip 240chm 1/10W Carbon chip 130kohm 1/10W Carbon chip 11kohm 1/10W Carbon chip 22ohm 1/10W	RM73B241J RM73B134J RM73B113J RM73B220J	C456 C459,460	255 1265 936 253 1151 905	Film 0.01µF/50V Ceramic 4700pF/500V	CQ93M1H103J(B) CK45E2H472P
R709,710 R711,712 R713,714	247 0005 962 247 0012 956 247 0009 998 247 0003 949 247 0005 905	Carbon chip 240chm 1/10W Carbon chip 130kohm 1/10W Carbon chip 11kohm 1/10W Carbon chip 22ohm 1/10W Carbon chip 100chm 1/10W	RM738241J RM738134J RM738113J RM738220J RM738101J	C456 C459,460 (A)C461 C462	255 1265 936 253 1151 905 254 1042 903 254 4254 938	Film 0.01µF/50V Ceramic 4700pF/500V Mehatized 0.1uF/550V Electrolytic 47µF/16V	CQ93M1H103J(B) CK45E2H472P CF93A2E194K CED4W1C470M
R709,710 R711,712 R713,714 R715,716	247 0005 982 247 0012 956 247 0009 998 247 0003 949	Carbon chip 240chm 1/10W Carbon chip 130kohm 1/10W Carbon chip 11kohm 1/10W Carbon chip 22ohm 1/10W	RM738241J RM738134J RM738113J RM738220J RM738101J	C456 C459,480	255 1265 936 253 1151 905 256 1042 903	Film 0.01µF/50V Ceramic 4700pF/500V Meralized 0.1uF/250V	CQ93M1H103J(B) CK45E2H472P CF33A2E194K
R709,710 R711,712 R713,714 R715,716 R717,718	247 0005 962 247 0012 956 247 0009 998 247 0003 949 247 0005 905	Carbon chip 240chm 1/10W Carbon chip 130kohm 1/10W Carbon chip 11kohm 1/10W Carbon chip 22ohm 1/10W Carbon chip 100chm 1/10W	RM738241J RM738134J RM738113J RM738220J RM738101J	C456 C459,480 AC461 C462 C549	255 1285 938 253 1151 905 256 1042 903 254 4254 938 254 4252 927	Film 0.01μF/50V Ceramic 4700pF/500V Meietzed 1.5μF/2SIV Electrolytic 47μF/16V Electrolytic 47μF/10V	CQ93M1H103J(B) CK45E2H472P CF34A2E194K CE04W1C470M CE04W1A470M
R709,710 R711,712 R713,714 R715,716 R717,718 R719,720	247 0005 982 247 0012 956 247 0009 998 247 0003 949 247 0005 905 247 0012 927	Carbon chip 240chm 1/10W Carbon chip 130kohm 1/10W Carbon chip 11kohm 1/10W Carbon chip 22chm 1/10W Carbon chip 100chm 1/10W Carbon chip 100kohm 1/10W	RM738241J RM738134J RM738113J RM738220J RM738101J	C456 C459,480 2\(\frac{C461}{C462}\) C549 C701,702	255 1285 838 253 1151 905 256 1042 903 254 4254 938 254 4252 927 257 0003 988	Film 0.01µF/50V Ceramic 4700pF/500V Meiritzed 3, 3u F/550V Electrolytic 47µF/16V Electrolytic 47µF/10V Ceramic chip 47pF/50V	CQ93M1H103J(B) CK45E2H472P CF33A2E194K CED4W1C470M CED4W1A470M CC73SL1H470J
R709,710 R711,712 R713,714 R715,716 R717,718 R719,720	247 0005 982 247 0012 956 247 0009 998 247 0003 949 247 0005 905 247 0012 927 ORS GROUP	Carbon chip 240ohm 1/10W Carbon chip 130kohm 1/10W Carbon chip 11kohm 1/10W Carbon chip 22bhm 1/10W Carbon chip 100ohm 1/10W Carbon chip 100kohm 1/10W	RM738241J RM73B134J RM73B113J RM73B220J RM73B101J	C456 C459,480 AC461 C462 C549 C701,702 C703,704	255 1285 938 253 1151 905 256 1042 903 254 4254 938 254 4252 927 257 0003 988 257 0005 944	Film 0.01µF/50V Ceramic 4700pF/500V Meintzent 3. tri7250 Electrolytic 47µF/16V Electrolytic 47µF/10V Ceramic chip 47pF/50V Ceramic chip 220pF/50V	CQS3M1H103J(B) CK45E2H472P CF3SA2E194K CE04W1C470M CE04W1A470M CC73SL1H470J CC73SL1H421J
R709,710 R711,712 R713,714 R715,716 R717,718 R719,720 CAPACITY	247 0005 962 247 0012 956 247 0009 998 247 0003 949 247 0005 905 247 0012 927 ORS GROUP 257 0004 903	Carbon chip 240ohm 1/10W Carbon chip 130kohm 1/10W Carbon chip 11kohm 1/10W Carbon chip 11kohm 1/10W Carbon chip 22ohm 1/10W Carbon chip 100ohm 1/10W Carbon chip 100kohm 1/10W Carbon chip 56pF/50V	RM73B241J RM73B134J RM73B134J RM73B204J RM73B104J RM73B104J	C456 C459,460 ΔC461 C462 C549 C701,702 C703,704 C705,706	255 1265 936 253 1151 905 256 1042 903 254 4254 938 254 4252 827 257 0003 988 257 0005 944 254 4254 909	Film 0.01µF/50V Ceramic 470pF/500V Netricard 11 grif/250V Electrolytic 47µF/16V Electrolytic 47µF/16V Ceramic chip 47pF/50V Ceramic chip 47pF/50V Ceramic thip 250pF/50V Electrolytic 10µF/16V	CQ33M1H103J(B) CK45E2H472P CF33A2E194K CE04W1C470M CE04W1A470M CC73SL1H470J CC73SL1H221J CE04W1C100M
R709,710 R711,712 R713,714 R715,716 R717,718 R719,720 CAPACITI C101-108 C109,110	247 0005 962 247 0012 956 247 0009 998 247 0003 949 247 0005 905 247 0012 927 DRS GROUP 257 0004 903 253 1179 946	Carbon chip 240chm 1/10W Carbon chip 130kohm 1/10W Carbon chip 130kohm 1/10W Carbon chip 22chm 1/10W Carbon chip 100chm 1/10W Carbon chip 100chm 1/10W Carbon chip 100kohm 1/10W Carbon chip 100kohm 1/10W Carbon chip 586F/60V Ceramic 220pF/50V	RM/73B241J RM/73B134J RM/73B113J RM/73B101J RM/73B104J	C456 C459,460  AC461 C462 C549 C701,702 C703,704 C705,706 C709,710	255 1285 938 253 1151 905 254 1042 903 254 4254 938 254 4252 827 257 0003 988 257 0005 944 254 4254 909 254 4250 928	Film 0.01µF/S0V Ceramic 4700PF/S0V Asherized D1 pt 12500 Electrolytic 47µF/16V Electrolytic 47µF/16V Ceramic chip 47pF/S0V Ceramic chip 250pF/S0V Electrolytic 10p/F/F/S0V Electrolytic 10p/F/F/S0V Electrolytic 10p/F/S0V	CG93M1H103J(B) CK45E2H472P CF3342E194K CED4W1C470M CED4W1A470M CC73SL1H470J CC73SL1H421J CED4W1C100M CED4W0J101M
R709,710 R711,712 R713,714 R715,716 R717,718 R719,720 CAPACITY C101-108 C109,110 C111	247 0005 982 247 0012 956 247 0009 998 247 0003 949 247 0005 905 247 0012 927 ORS GROUP 257 0004 903 253 1179 946 257 0002 921	Carbon chip 240chm 1/10W Carbon chip 130kohm 1/10W Carbon chip 140kohm 1/10W Carbon chip 120chm 1/10W Carbon chip 100chm 1/10W Carbon chip 100kohm 1/10W Carbon chip 100kohm 1/10W Carbon chip 100kohm 1/10W Caramic chip 56	RM73B241J RM73B134J RM73B113J RM73B22U RM73B101J RM73B104J CC/33B1H2580J CK45B1H221KT CC73SL1H100D	C456 C459,480  A C461 C462 C549 C701,702 C703,704 C705,706 C709,710 C711,712	255 1285 936 253 1151 905 254 1254 938 254 4254 938 254 4252 927 257 0003 988 257 0005 944 254 4254 909 254 4250 929 255 4199 999	Film 0.01µF/S0V Ceramic 470pF/50V Ceramic 470pF/50V Electrolytic 47µF/16V Electrolytic 47µF/16V Ceramic chip 47pF/50V Ceramic chip 47pF/50V Electrolytic 10µF/16V Electrolytic 10µF/16 Film 0.024µF/50V	CQ93M1H103J(B) CK45E2H472P CF34A2E194K CE04W1C470M CE04W1A470M CC73SL1H470J CC73SL1H221J CE04W1C100M CE04W01010M CQ92M1H243J(MRZ)
R709,710 R711,712 R713,714 R715,716 R717,718 R719,720 CAPACITO C101-108 C109,110 C111 C112,113	247 0005 982 247 0012 956 247 0009 998 247 0003 949 247 0005 905 247 0012 927 ORS GROUP 257 0004 903 253 1179 945 257 0002 921 257 0012 982	Carbon chip 240chm 1/10W Carbon chip 130chm 1/10W Carbon chip 130chm 1/10W Carbon chip 130chm 1/10W Carbon chip 100chm 1/10W Carbon chip 100chm 1/10W Carbon chip 100kohm 1/10W Carbon chip 100kohm 1/10W Carbon chip 100kohm 1/10W Ceramic chip 56pF/50V Ceramic chip 10pF/50V Ceramic chip 10pF/50V Ceramic chip 10pF/50V	RM73B-1241 RM73B-1131 RM73B-1131 RM73B-1011 RM73B-1041 RM73B-1041 CC/33SL1H5803 CK/45B1H221KT CC/33SL1H100D CK/35F1H223Z	C456 C459,480  A C461 C462 C549 C701,702 C703,704 C705,706 C709,710 C711,712 C713,714	255 1285 936 253 1151 905 254 1042 903 254 4254 938 254 4252 927 257 0003 988 257 0005 944 254 4254 909 254 4250 929 255 1195 907	Film 0.01µF/S0V Ceramic 470µF/S0V Mehletzed 0, 16°2520; Electrolytic 47µF/10V Electrolytic 47µF/10V Ceramic chip 47pF/S0V Ceramic chip 47pF/S0V Ceramic chip 42pF/S0V Electrolytic 10µF/16V Electrolytic 10µF/16V Film 0.024µF/S0V Film 0.024µF/S0V	CO39M1H103J(B) CK45E2H72P CF343E2F0H4 CED4W1C470M CED4W1A470M CC73SL1H470J CC73SL1H421J CED4W1C100M CED4W0J101M CO29M1H343J(MF2) CO39M1H862J(B)
R709,710 R711,712 R713,714 R715,716 H717,718 R719,720 CAPACITO C101-108 C109,110 C111 C112,113 C124,125	247 0005 962 247 0012 956 247 0009 998 247 0005 905 247 0012 927 ORS GROUP 257 0004 903 253 1179 945 257 0002 921 257 0012 982 257 0012 982	Carbon chip 240chm 1/10W Carbon chip 130chm 1/10W Carbon chip 110chm 1/10W Carbon chip 10mm 1/10W Carbon chip 10chm 1/10W Carbon chip 100chm 1/10W	PM/73B241J RM/73B134J RM/73B113J RM/73B101J RM/73B104J CC/73SL1H560J CK/73F1H221KT CC/73SL1H100D CK/73F1H223Z CK/73F1H223Z	C456 C459,480  A C461 C462 C549 C701,702 C703,704 C705,706 C709,710 C711,712	255 1285 936 253 1151 905 256 1042 903 254 4254 938 254 4254 938 257 0005 944 254 4259 929 254 4259 929 255 4199 999 255 1265 907 254 4254 909	Film 0.01µF/S0V Ceramic 470pF/50V Ceramic 470pF/50V Electrolyfic 47µF/16V Electrolyfic 47µF/16V Ceramic chip 47pF/50V Ceramic chip 47pF/50V Ceramic chip 290pF/50V Electrolyfic 10µF/16V Film 0.024µF/50V Film 0.024µF/50V Electrolyfic 10µF/16V Electrolyfic 10µF/16V	COSMITHIOSU(B) CK45E2M72P EFS42METBK CED4W1C470M  CED4W1A470M  CC73SL1H470J CC73SL1H2E1J CC73SL1H2E1J CD26W11E04W1C00M  CED4W0J101M CD26W1H2843[MF22 OQS9M1H8842[MF2] CED4W1C100M
R709,710 R711,712 R713,714 R715,718 R717,718 R719,720 CAPACITY C101-108 C109,110 C111,113 C124,125 C127	247 0005 982 247 0012 956 247 0009 998 247 0003 998 247 0012 927 247 0012 927 257 0004 903 253 1179 945 257 0012 982 257 0012 982 257 0012 982 257 0012 982	Carbon chip 240chm 1/10M Carbon chip 190chm 1/10M Carbon chip 1150chm 1/10M Carbon chip 1250chm 1/10M Carbon chip 22chm 1/10M Carbon chip 20chm 1/10M Carbon chip 100chm 1/10M Carbon chip 100chm 1/10M Carbon chip 100chm 1/10M Carbon chip 56pF/50V Ceramic chip 56pF/50V Ceramic chip 0.022µF/50V Ceramic chip 0.022µF/50V Ceramic chip 0.022µF/50V Ceramic chip 0.022µF/50V	RM738-1944 RM788-1944 RM788-1131 RM738-1013 RM738-1014 CC738L1H5804 CK4881H221KT CC738L1H100D CK78F1H223Z CK78F1H223Z CK78F1H223Z	C456 C459,480  △C461 C462 C549 C701,702 C703,704 C705,706 C709,710 C711,712 C713,714 C715,716 C717,718	255 1285 938 253 1151 905 256 1342 903 254 4254 938 254 4254 927 257 0005 944 254 4254 909 254 4250 929 255 1265 907 254 4254 909 255 1265 907 254 4254 909 255 1265 907 254 4254 909 253 1181 904	Film 0.01µF/SDV Ceramic 470µF/SDV Ceramic 470µF/SDV Electrolytic 47µF/16V Electrolytic 47µF/16V Ceramic chip 47pF/SDV Ceramic chip 47pF/SDV Ceramic chip 47pF/SDV Electrolytic 10µF/SDV Electrolytic 10µF/SDV Film 680µF/SDV Film 680µF/SDV Film 680µF/SDV Film 680µF/SDV Ceramic 0.01µF/SDV	COSOMITHIOSU(B) CK46526472P CK5432E194K CED4W1C470M CC73SL114470J CC73SL11470J CC73SL114221J CED4W1C100M CD68M118243[MF22] COSOMITH8824[B] COSOMITH8824[B] CAG6F1H163Z
R709,710 R711,712 R713,714 R715,716 H717,718 R719,720 CAPACITO C101-108 C109,110 C111 C112,113 C124,125	247 0005 962 247 0012 956 247 0009 998 247 0005 905 247 0012 927 ORS GROUP 257 0004 903 253 1179 945 257 0002 921 257 0012 982 257 0012 982	Carbon chip 240chm 1/10W Carbon chip 130chm 1/10W Carbon chip 110chm 1/10W Carbon chip 10mm 1/10W Carbon chip 10chm 1/10W Carbon chip 100chm 1/10W	PM/73B241J RM/73B134J RM/73B113J RM/73B101J RM/73B104J CC/73SL1H560J CK/73F1H221KT CC/73SL1H100D CK/73F1H223Z CK/73F1H223Z	C456 C459,480 C461 C462 C549 C701,702 C703,704 C705,706 C709,710 C711,712 C713,714 C715,716	255 1285 938 253 1151 905 254 5181 935 254 4254 938 257 0003 988 257 0005 944 2554 4254 939 255 1265 907 254 4250 929 255 4199 939 255 1265 907 254 4250 942 255 1181 934 255 44 94 94 255 44 94 94 255 1181 94 25	Film 0.01 µF/S0V Ceramic 470 pF/50V Electrolytic 47 µF/16V Electrolytic 47 µF/16V Electrolytic 47 µF/16V Ceramic chip 47 pF/50V Ceramic chip 250 pF/50V Electrolytic 10 µF/16V Electrolytic 10 µF/16V Electrolytic 10 µF/16V Electrolytic 10 µF/50V	COSOMITHIOSU(B) CK45E2M72P CK34ASE IPK CED4W1C470M CEO4W1A470M CC73SL1H470J CC73SL1H470J CEO4W1010M CEO4W0101M
R709,710 R711,712 R713,714 R715,716 R717,718 R719,720  CAPACITT C101—108 C109,110 C111 C112,113 C124,125 C127 C131~134	247 0005 982 247 0012 956 247 0003 938 247 0003 938 247 0005 905 247 0012 927 0075 GROUP 257 0004 903 257 0012 982 257 0012 982 257 0012 982 257 0012 982 257 0004 903	Carbon chip 240chm 1/10W Carbon chip 130kohm 1/10W Carbon chip 110kohm 1/10W Carbon chip 110kohm 1/10W Carbon chip 100kohm 1/10W Carbon chip 100kohm 1/10W Carbon chip 100kohm 1/10W Ceramic chip 56pF/50V Ceramic chip 56pF/50V Ceramic chip 100kohm 1/10W Ceramic chip 0.022µF/50V	RM738-1944 RM738-1944 RM738-1131 RM738-220 RM738-1013 RM738-1014 CC738L1H580J CK748H1221C CC738L1H580J CK73F1H222Z CK73F1H222Z CK73F1H222Z CK73F1H222Z CK73F1H223Z CC738L1H580J	C456 C459,480  △C461 C462 C549 C701,702 C703,704 C705,706 C709,710 C711,712 C713,714 C715,716 C717,718	255 1285 938 253 1151 905 256 1342 903 254 4254 938 254 4254 927 257 0005 944 254 4254 909 254 4250 929 255 1265 907 254 4254 909 255 1265 907 254 4254 909 255 1265 907 254 4254 909 253 1181 904	Film 0.01µF/SDV Ceramic 470µF/SDV Ceramic 470µF/SDV Electrolytic 47µF/16V Electrolytic 47µF/16V Ceramic chip 47pF/SDV Ceramic chip 47pF/SDV Ceramic chip 47pF/SDV Electrolytic 10µF/SDV Electrolytic 10µF/SDV Film 680µF/SDV Film 680µF/SDV Film 680µF/SDV Film 680µF/SDV Ceramic 0.01µF/SDV	COSOMITHIOSU(B) CK46526472P CK5432E194K CED4W1C470M CC73SL114470J CC73SL11470J CC73SL114221J CED4W1C100M CD68M118243[MF22] COSOMITH8824[B] COSOMITH8824[B] CAG6F1H163Z
R709,710 R711,712 R713,714 R715,714 R715,718 R719,720 CAPACITI C101—108 C109,110 C111 C112,113 C124,125 C127 C131—134 C201—204	247 0005 962 247 0012 956 247 0003 938 247 0003 949 247 0005 905 247 0012 927 0085 GROUP 257 0004 903 253 1179 945 257 0012 982 257 0012 982 257 0012 982 257 0004 903 255 1265 907	Carbon chip 240chm 1/10W Carbon chip 130chm 1/10W Carbon chip 131chm 1/10W Carbon chip 131chm 1/10W Carbon chip 22chm 1/10W Carbon chip 20chm 1/10W Carbon chip 100kohm 1/10W Carbon chip 100kohm 1/10W Carbon chip 100kohm 1/10W Caramic chip 56pF/50V Ceramic chip 10pF/50V Ceramic chip 0.022µF/50V	RM788-24-1 RM789-113J RM789-113J RM788-220J RM788-210J RM788-104J RM788-104J RM788-104J RM788-104J RM788-104J RM788-104J RM788-11450U CK789-114222 CK789-114222 CK789-114222 CC7951,11450J	C456 C459.480 20.C451 C482 C549 C701,702 C703,704 C705,706 C709,710 C711,712 C713,714 C715,718 C724	255 1285 938 253 1151 905 254 5181 935 254 4254 938 257 0003 988 257 0005 944 2554 4254 939 255 1265 907 254 4250 929 255 4199 939 255 1265 907 254 4250 942 255 1181 934 255 44 94 94 255 44 94 94 255 1181 94 25	Film 0.01 µF/S0V Ceramic 470 pF/50V Electrolytic 47 µF/16V Electrolytic 47 µF/16V Electrolytic 47 µF/16V Ceramic chip 47 pF/50V Ceramic chip 250 pF/50V Electrolytic 10 µF/16V Electrolytic 10 µF/16V Electrolytic 10 µF/16V Electrolytic 10 µF/50V	COSOM H103L(B) CK45E2H472P CF34SE194K CE04W1C470M CC73SL1H470J CC73SL1H470J CC73SL1H470J CC73SL1H470J CC73SL1H21J CG98W1H284J CG98W1H284J CG98W1H284J CG98W1H284J CG98W1H384J CG98W1H384J CG98W1H384J CG98W1H384J CG98W1H384J
F709,710 F711,712 F713,714 F715,718 F719,720  CAPACITY C101-108 C109,110 C111 C112,113 C124,125 C127 C131-134 C201-204 C205,206	247 0005 962 247 0012 956 247 0003 938 247 0005 905 247 0012 927 257 0010 932 257 11179 945 257 0012 982 257 0012 982 257 0012 982 257 0012 982 257 0004 903 255 1265 907 257 0006 905	Carbon chip 240chm 1/10W Carbon chip 130chm 1/10W Carbon chip 1150chm 1/10W Carbon chip 22chm 1/10W Carbon chip 22chm 1/10W Carbon chip 100chm 1/10W Carbon chip 0.022µF50V Carbon chip 0.022µF50V Carbon chip 0.022µF50V Carbon chip 0.022µF50V Carbon chip 56pF50V	RM788-241J RM788-134 RM788-133 RM788-220J RM788-101J RM788-101J CC738LH580J CK4581H221KT CC738LH580J CK78FH223Z CK78FH223Z CK78FH223Z CK78FH223Z CK78FH223Z CK78FH223Z CK78FH223Z CK78FH223Z CK78FH223Z CK78FH223Z CK78FH223Z	C456 C459.480 20.C451 C482 C549 C701,702 C703,704 C705,706 C709,710 C711,712 C713,714 C715,718 C724	255 1285 938 253 1151 905 254 5181 935 254 4254 938 257 0003 988 257 0005 944 2554 4254 939 255 1265 907 254 4250 929 255 4199 939 255 1265 907 254 4250 942 255 1181 934 255 44 94 94 255 44 94 94 255 1181 94 25	Film 0.01 µF/S0V Ceramic 470 pF/50V Electrolytic 47 µF/16V Electrolytic 47 µF/16V Electrolytic 47 µF/16V Ceramic chip 47 pF/50V Ceramic chip 250 pF/50V Electrolytic 10 µF/16V Electrolytic 10 µF/16V Electrolytic 10 µF/16V Electrolytic 10 µF/50V	COSOMITHIOSU(B) CK45E2M72P CK34ASE IPK CED4W1C470M CEO4W1A470M CC73SL1H470J CC73SL1H470J CEO4W1010M CEO4W0101M
R709,710 R711,712 R713,714 R715,714 R715,718 R719,720  CAPACITY C101—108 C109,110 C111 C112,113 C124,125 C127 C131~134 C201–204 C205,206 C251~254	247 0005 962 247 0012 956 247 0003 949 247 0009 962 247 00012 927 247 0005 905 247 0012 927 257 0004 903 253 1179 945 257 0012 982 257 0012 982 257 0012 982 257 0004 903 255 165 907 257 0006 903 255 1056 907 257 0006 903	Carbon chip 240chm 1/10W Carbon chip 150chm 1/10W Carbon chip 1150chm 1/10W Carbon chip 1250chm 1/10W Carbon chip 22chm 1/10W Carbon chip 20chm 1/10W Carbon chip 20chm 1/10W Carbon chip 100kohm 1/10K Carbon chip 100kohm 1/10K Carbon chip 100kohm 1/10K Caramic chip 10pF50V Ceramic chip 10pF50V Ceramic chip 0.022µF50V	RM788-24-1 RM738-113J RM788-113J RM788-220J RM788-104J RM788-104J RM788-104J RM788-104J RM788-104J RM788-104J RM788-104J RM788-104J RM788-1222Z CK78F1H222Z CK78F1H222Z CC73SL1H890J CC98SM1H82J CC73SL1H82TJ CE9AW1Y100M	C456 C459.480  △C461 C462 C549 C701,702 C703,704 C705,706 C711,712 C713,714 C715,716 C717,718 C724 C725	255 1265 936 253 1151 905 254 4254 938 254 4254 938 257 0005 944 254 4254 909 255 4129 939 253 1181 904 254 4250 948 257 0005 944 254 4250 929 255 1185 904 254 4250 929 253 1181 904 254 4250 948 257 0012 982	Film 0.01µF/S0V Ceramic 470µF/S0V Ceramic 470µF/S0V Electrolytic 47µF/16V Electrolytic 47µF/16V Ceramic chip 47pF/S0V Ceramic chip 47pF/S0V Ceramic chip 47pF/S0V Electrolytic 10µF/S0V Electrolytic 10µF/S0V Film 6800pF/S0V Film 6800pF/S0V Film 6800pF/S0V Electrolytic 10µF/S0V Electrolytic 10µF/S0V Ceramic 0.01µF/S0V Electrolytic 1µF/S0V Ceramic 0.01µF/S0V Electrolytic 1µF/S0V Ceramic 0.01µF/S0V	COSOM H103L(B) CK45E2H472P CF34SE194K CE04W1C470M CC73SL1H470J CC73SL1H470J CC73SL1H470J CC73SL1H470J CC73SL1H21J CG98W1H284J CG98W1H284J CG98W1H284J CG98W1H284J CG98W1H384J CG98W1H384J CG98W1H384J CG98W1H384J CG98W1H384J
R709,710 R711,712 R715,716 R715,716 R719,720  CAPACITI C101—106 C109,110 C111 C112,113 C124,125 C127 C131—134 C201—204 C205,206 C251-224	247 0005 962 247 0012 956 247 0009 998 247 0005 905 247 0012 927 005 905 247 0012 927 005 905 257 0002 921 257 0002 921 257 0012 982 257 0012 982 257 0004 903 255 1265 907 257 0006 985 257 0006 985 254 4259 418 254 4259 418	Carbon chip 240chm 1/10W Carbon chip 130chm 1/10W Carbon chip 1150chm 1/10W Carbon chip 120chm 1/10W Carbon chip 22chm 1/10W Carbon chip 22chm 1/10W Carbon chip 20chm 1/10W Carbon chip 100chm 1/10W Carbon chip 100chm 1/10W Ceramic chip 56pF/50V Ceramic chip 0.022µF/50V Ceramic chip 50cpF/50V	RM788-241, RM789-194, RM789-194, RM789-220, RM789-220, RM789-104,	C456 C459.480  △C461 C462 C549  C701,702 C703,704 C705,700 C711,712 C713,714 C715,718 C724 C725 C801,802	255 1265 936 253 1151 905 254 1151 905 254 4254 938 254 4254 938 257 0005 944 254 4254 909 255 1265 907 254 4250 948 257 0012 952 251 1181 904 254 4250 948 257 0012 952 257 0016 962 257 0016 962 257 0016 962 257 0016 962	Film 0.01µF/S0V Ceramic 470pF/50V Ceramic 470pF/50V Electrolytic 47µF/16V Electrolytic 47µF/16V Ceramic chip 47pF/50V Ceramic chip 47pF/50V Electrolytic 10µF/16V Electrolytic 10µF/16V Electrolytic 10µF/16V Electrolytic 10µF/16V Ceramic 0.01µF/50V Ceramic 0.01µF/50V Ceramic chip 0.022µF/50V Ceramic chip 0.022µF/50V Ceramic chip 0.022µF/50V Ceramic chip 0.022µF/50V	COSCHHIOSU(B) CK45C2H72P CK34AE79K CE04W1C470M CE04W1C470M CC73SL1H470J CC73SL1H470J CC73SL1H470J CC73SL1H470J CC95H1H282J CE04W1C100M CE04W1C100M COSSH1H282JB CE04W1C100M CK45F1H163Z CE04W1C100M CK75F1H23Z CC73CH1H270J
R709,710 R711,712 R713,714 R715,714 R715,718 R719,720  CAPACITY C101—108 C109,110 C111 C112,113 C124,125 C127 C131~134 C201–204 C205,206 C251~254	247 0005 962 247 0012 956 247 0003 949 247 0005 905 247 0012 927 257 0004 903 253 1179 945 257 0012 982 257 0012 982 257 0012 982 257 0012 982 257 0004 903 255 165 907 257 0006 903 255 1056 907 257 0006 903 255 1056 907	Carbon chip 240chm 1/10W Carbon chip 150chm 1/10W Carbon chip 1150chm 1/10W Carbon chip 1250chm 1/10W Carbon chip 22chm 1/10W Carbon chip 20chm 1/10W Carbon chip 20chm 1/10W Carbon chip 100kohm 1/10K Carbon chip 100kohm 1/10K Carbon chip 100kohm 1/10K Caramic chip 10pF50V Ceramic chip 10pF50V Ceramic chip 0.022µF50V	RM788-24-1 RM738-113J RM788-113J RM788-220J RM788-104J RM788-104J RM788-104J RM788-104J RM788-104J RM788-104J RM788-104J RM788-104J RM788-1222Z CK78F1H222Z CK78F1H222Z CC73SL1H890J CC98SM1H82J CC73SL1H82TJ CE9AW1Y100M	C456 C459.480 24 C51 C462 C549 C701,702 C703,704 C705,706 C709,710 C711,712 C713,714 C715,716 C712,718 C725 C801,802 C803-805	255 1265 936 253 1151 905 253 1151 905 253 1151 905 254 925 935 925 927 925 927 925 925 925 925 925 925 925 925 925 925	Film 0.01µF/SDV Ceramic 470µF/SDV Ceramic 470µF/SDV Electrolyfic 47µF/16V Electrolyfic 47µF/16V Ceramic chip 47pF/SDV Ceramic chip 47pF/SDV Ceramic chip 42pF/SDV Electrolyfic 10µF/SDV Electrolyfic 10µF/SDV Film 6800µF/SDV Film 6800µF/SDV Electrolyfic 10µF/SDV Ceramic chip 0.02pµF/SDV Ceramic chip 0.02pµF/SDV Ceramic chip 0.02pµF/SDV Electrolyfic 47µF/SDV Ceramic chip 0.27pF/SDV Electrolyfic 47µF/SDV Electrolyfic 47µF/SDV Electrolyfic 47µF/SDV	COSOMITHIOSU(B) CK46SEMT2P CK1543SET9K CED4W1C470M CF04W1C470M CC73SL11H70J CC73SL11H21J CED4W1C100M CBD4W1C100M CBD4W1C100M COSMITH324J CBOW1C100M CASFFITH0SZ CED4W1D10M CK45FITH0SZ CC73CH1H27J CED4W1C70M CK45FITH0SZ CC73CH1H27J CED6W4M70M
R709,710 R711,712 R711,714 R715,716 R715,716 R717,718 R719,720  CAPACITY C101—108 C109,110 C111 C112,113 C124,125 C127 C131—134 C201—204 C205,206 C251—254 C259	247 0005 962 247 0012 956 247 0003 949 247 0003 949 247 0005 905 247 0012 927 257 0004 903 257 0002 921 257 0012 982 257 0012 982 257 0012 982 257 0004 903 257 0005 925 257 0006 905 257 0	Carbon chip 240chm 1/10W Carbon chip 130chm 1/10W Carbon chip 130chm 1/10W Carbon chip 130chm 1/10W Carbon chip 22chm 1/10W Carbon chip 22chm 1/10W Carbon chip 100chm 1/10W Carbon chip 100chm 1/10W Carbon chip 100chm 1/10W Carbon chip 100chm 1/10W Carbon chip 50pF/50V Ceramic chip 0.022µF/50V Ceramic chip 62cpF/50V Ceramic 0.01µF/50V Ceramic 0.01µF/50V Ceramic 0.01µF/50V	RM788-24-1 RM738-113J RM788-113J RM788-220J RM788-201 RM788-104J RM788-104J RM788-104J RM788-104J RM788-104J RM788-104J CK78F1H222Z CK78F1H223Z CK78F1H223Z CC73SL1H823J CC73S	C456 C459.460 A C451 C462 C549 C701,702 C703,704 C705,706 C703,704 C713,714 C715,716 C717,718 C724 C725 C801,802 C807,806 C807,806	255 1265 936 253 1151 905 254 1515 905 254 4254 925 927 4254 4254 932 257 0003 988 257 0005 944 254 4250 929 255 4199 999 255 4195 909 253 1181 904 254 4250 948 257 0012 982 257 0012 982 257 0016 982	Film 0.01 µF/S0V Ceramic 470 pF/50V Ceramic 470 pF/50V Electrolytic 47 µF/16V Electrolytic 47 µF/16V Ceramic chip 47 pF/50V Ceramic chip 47 pF/50V Ceramic chip 20 pF/50V Electrolytic 10 pF/50V Ceramic chip 20 pF/50V Ceramic chip 20 pF/50V Electrolytic 47 µF/50V Ceramic chip 20 pF/50V Electrolytic 47 µF/50V Ceramic chip 50 pF/50V Electrolytic 47 µF/50V Ceramic chip 50 pF/50V	COSSMIHICALIS CEOMYLATOM CEDWIATOM CC73SL1H470J CC73SL1H470J CC73SL1H470J CC73SL1H21J CC53SL1H21J CC53SL1H221J CC53SL1H221J CC53SL1H221J CC53SL1H223J CEDWICTOM CEDWICTOM CEDWICTOM CEDWICTOM CEDWICTOM CEDWICTOM CEDWICTOM CC53SL1H223J CEDWITTHOS CC73SL1H23J CC73CH1H270J CC73SL1H23J CC73CH1H270J CC73SL1H230J
R709,710 R711,712 R715,716 R715,716 R719,720  CAPACITI C101—106 C109,110 C111 C112,113 C124,125 C127 C131—134 C201—204 C205,206 C251-224	247 0005 902 247 0012 956 247 0003 948 247 0003 948 247 0005 905 247 0012 827 257 0012 827 257 0004 903 257 0002 921 257 0012 982 257 0012 982 257 0012 982 257 0009 905 255 1265 907 257 0009 965 257 4259 910 255 1265 907 257 0009 965 257 4259 910 902 257 000 965 257 4259 910 902 257 100 902	Carbon chip 240chm 1/10W Carbon chip 130chm 1/10W Carbon chip 1150chm 1/10W Carbon chip 120mm 1/10W Carbon chip 220mm 1/10W Carbon chip 20chm 1/10W Carbon chip 100chm 1/10W Carbon chip 100chm 1/10W Carbon chip 100chm 1/10W Ceramic chip 56pF/50V Ceramic chip 50pF/50V Ceramic chip 0.022µF/50V Ceramic chip 2.022µF/50V Ceramic chip 2.022µF/50V Ceramic chip 2.022µF/50V Ceramic chip 2.022µF/50V Ceramic chip 2.020µF/50V Ceramic chip 4.70pF/50V Ceramic chip 4.70pF/50V Ceramic chip 4.70pF/50V Ceramic chip 4.70pF/50V	RM788-241J RM789-104J	C456 C459,480 AC451 C462 C549 C701,702 C703,704 C705,706 C708,710 C711,712 C713,714 C715,716 C717,718 C725 C801,802 C803-805 C807,808	255 1285 938 253 1151 905 253 1151 905 253 1151 905 254 4252 827 257 0003 984 254 4254 903 254 4254 903 254 4254 909 255 4125 902 254 4259 902 254 4250 902 254 4250 902 257 0012 982 257 0	Film 0.01µF/S0V Ceramic 470µF/S0V Ceramic 470µF/16V Electrolytic 47µF/16V Electrolytic 47µF/16V Ceramic chip 47pF/S0V Ceramic chip 47pF/S0V Ceramic chip 220pF/S0V Electrolytic 10µF/16V Electrolytic 10µF/16V Electrolytic 10µF/16V Electrolytic 10µF/16V Ceramic Chip 47pF/S0V Electrolytic 10µF/16V Ceramic Chip 47pF/S0V Ceramic chip 0.02µF/S0V Ceramic chip 0.02µF/S0V Electrolytic 47µF/S0V Electrolytic 47pF/S0V Ceramic chip 90pF/S0V Ceramic plip 0.01µF/S0V	COSCHIHICOLI(B) CK45C2M72P CK342E79K CED4W1C470M CED4W1C470M CC73SL1H470J CC73SL1H421J CED4W1C100M COSCM1H624J(B) CED4W1G100M COSCM1H624J(B) CED6W1G100M CK45F1H163Z CC73SL1H22Z CC73CH1H270J CED4W404770M CK75F1H203Z
R709,710 R711,712 R711,714 R715,716 R715,716 R717,718 R719,720  CAPACITY C101—108 C109,110 C111 C112,113 C124,125 C127 C131—134 C201—204 C205,206 C251—254 C259	247 0005 962 247 0012 956 247 0003 949 247 0003 949 247 0005 905 247 0012 927 257 0004 903 257 0002 921 257 0012 982 257 0012 982 257 0012 982 257 0004 903 257 0005 925 257 0006 905 257 0	Carbon chip 240chm 1/10W Carbon chip 130chm 1/10W Carbon chip 1150chm 1/10W Carbon chip 120mm 1/10W Carbon chip 220mm 1/10W Carbon chip 20chm 1/10W Carbon chip 100chm 1/10W Carbon chip 100chm 1/10W Carbon chip 100chm 1/10W Ceramic chip 56pF/50V Ceramic chip 50pF/50V Ceramic chip 0.022µF/50V Ceramic chip 2.022µF/50V Ceramic chip 2.022µF/50V Ceramic chip 2.022µF/50V Ceramic chip 2.022µF/50V Ceramic chip 2.020µF/50V Ceramic chip 4.70pF/50V Ceramic chip 4.70pF/50V Ceramic chip 4.70pF/50V Ceramic chip 4.70pF/50V	RM788-24-1 RM738-113J RM738-113J RM738-20J RM738-104J R	C456 C459.460 A C549 C701,702 C703,704 C705,706 C711,712 C713,714 C715,716 C717,718 C724 C726 C801,802 C809.806 C809 C809 C800	255 1265 936 253 1151 905 255 1265 936 253 1151 905 255 1826 936 255 1826 936 255 1256 936 255 1256 937 255 1	Film 0.01µF/SDV Ceramic 470µF/SDV Ceramic 470µF/SDV Electrolytic 47µF/16V Electrolytic 47µF/16V Ceramic chip 47pF/SDV Ceramic chip 47pF/SDV Electrolytic 10µF/SDV Electrolytic 10µF/SDV Electrolytic 10µF/SDV Film 6800µF/SDV Film 6800µF/SDV Electrolytic 10µF/SDV Ceramic 0.01µF/SDV Ceramic 0.01µF/SDV Ceramic 0.02µF/SDV Ceramic chip 27pF/SDV Electrolytic 47µF/SDV Ceramic chip 30pF/SDV Ceramic chip 10µF/SDV Electrolytic 47µF/SDV	COSOMITHIOSU(B) CK4652M72P CK543AE764K CED4W1C470M CF04W1C470M CC73SL11H70J CC73SL11H2E1J CED4W1C100M CG73SL11H2E1J CED4W1C100M CG8M1H34SJ(MF2) CG9M1H34SJ(MF2) CG9M1H36SJ(MF2) CG9M1H6G2(B) CC6D4W1C100M CK46F1H163Z CC9C4W1C470M CC73SL11H20J CC73SL11H20J CC73SL11H20J CC73SL11H20J CC73SL1H20J
R709,710 R711,712 R711,712 R715,716 R719,720  CAPACITY C101—106 C109,110 C111 C112,113 C124,125 C127 C31—134 C201—204 C205,206 C251—234 AC257,258 C259 C307,306	247 0005 902 247 0012 956 247 0003 948 247 0003 948 247 0005 905 247 0012 827 257 0012 827 257 0004 903 257 0002 921 257 0012 982 257 0012 982 257 0012 982 257 0009 905 255 1265 907 257 0009 965 257 4259 910 255 1265 907 257 0009 965 257 4259 910 902 257 000 965 257 4259 910 902 257 100 902	Carbon chip 240chm 1/10W Carbon chip 250chm 1/10W Carbon chip 150chm 1/10W Carbon chip 150m 1/10W Carbon chip 22chm 1/10W Carbon chip 22chm 1/10W Carbon chip 20chm 1/10W Carbon chip 20chm 1/10W Carbon chip 100kchm 1/10W Carbon chip 100kchm 1/10W Carbon chip 556F/50W Ceramic chip 556F/50W Ceramic chip 0.022µF50W Ceramic chip 0.022µF50W Ceramic chip 0.022µF50W Ceramic chip 0.022µF50W Electrolyte 10µF50W Electrolyte 10µF50W Electrolyte 10µF50W Ceramic chip 82c0pF/50W Electrolyte 10µF50W Ceramic chip 62c0pF/50W	RM788-241J RM789-104J	C456 C459.460 A C549 C701,702 C703,704 C705,706 C711,712 C713,714 C715,716 C717,718 C724 C726 C801,802 C809.806 C809 C809 C800	255 1265 936 253 1151 905 255 1265 936 253 1151 905 255 1826 936 255 1826 936 255 1256 936 255 1256 937 255 1	Film 0.01µF/SDV Ceramic 470µF/SDV Ceramic 470µF/SDV Electrolytic 47µF/16V Electrolytic 47µF/16V Ceramic chip 47pF/SDV Ceramic chip 47pF/SDV Electrolytic 10µF/SDV Electrolytic 10µF/SDV Electrolytic 10µF/SDV Film 6800µF/SDV Film 6800µF/SDV Electrolytic 10µF/SDV Ceramic 0.01µF/SDV Ceramic 0.01µF/SDV Ceramic 0.02µF/SDV Ceramic chip 27pF/SDV Electrolytic 47µF/SDV Ceramic chip 30pF/SDV Ceramic chip 10µF/SDV Electrolytic 47µF/SDV	COSOMITHIOSU(B) CK4652M72P CK543AE764K CED4W1C470M CF04W1C470M CC73SL11H70J CC73SL11H2E1J CED4W1C100M CG73SL11H2E1J CED4W1C100M CG8M1H34SJ(MF2) CG9M1H34SJ(MF2) CG9M1H36SJ(MF2) CG9M1H6G2(B) CC6D4W1C100M CK46F1H163Z CC9C4W1C470M CC73SL11H20J CC73SL11H20J CC73SL11H20J CC73SL11H20J CC73SL1H20J

#### 15-2818 TUNER UNIT ASS'V

Ref. No.	Dart Mc	Dart Name	Remarks	Ref. No.	Part No.	Part Name	Remarks
	f. No. Part No. Part Name Remarks THERS PARTS GROUP						nemarks
			_		DUCTORS G		,
CB29D	206 0990 045	29P FFC connector base		IC501	263 0891 001	IC LA1265(S)	
CB6A,6C	205 0918 001	6P bottom socket		IC502	263 0439 007	IC LA3401	
CB8A	205 0918 014	8P bottom socket		IC503	263 0791 907	IC LM7001M	
CB8B,8C	205 0806 090	8P connector base (9115)		IC504	263 0794 001	IC NJM78M12FA(S)	
CN3C	203 2377 000	2P DA-DA connector cord	1				
CN7A	205 0663 078	7P VH connector base		TR501	275 0074 902	Transistor 2SK211(Y/GR)	
L391,392	235 0104 007	Inductor(1MHz)		TR502	273 0438 908	Transistor 2SC2413K (Q)	
L701,702	235 9003 002	FTZ choke coil		TR503	269 0157 905	Transistor DTB123EK	Built in resistor
RL451,452	214 0167 005	Relay(G5Z-2A)		TR504	269 0083 901	Transistor DTA114EK	Built in resistor
FIL453	214 0127 003	Relay(RY-12W)		TR505,508	269 0054 901	Transistor DTC144EK	Built in resistor
TH451	279 0034 067	Posistor	PTH9M04BB222T\$2F333	TR507	271 0279 909	Transistor 2SA1515(R)	
TP001,002	205 0190 036	3P NH Connector base	TEST POINT	TR508	275 0075 901	Transistor 2SK209(Y/GR)	
XL601	399 0178 007	Crystal	4.332MHz	TR509	273 0403 904	Transistor 2SC2712(Y/GR)	
XT801	399 0041 901	Resonator	CSA4.00MG				
	205 0484 001	8P speaker terminal	Europe model	D501	276 0559 909	Diode DAP202K	
	203 0475 072	1P contact Ass'y					
	205 0472 013	8P speaker terminal	U.K model	RESISTO	RS GROUP (	Not included carbon film	n ±5% 1/4W)
	204 8485 009	4P pin jack(S-GND)		R001~016	247 0018 905	Chip John 1/10W	RM73B-0R0K
	204 8486 008	6P pin jack(S-GND)	l li	11001-010	141 0010 800	onpount blow	TONY OF ICIT
				R501	247 0004 906	Chip 39ohm 1/10W	RM73B390J
				R502	247 0007 945	Chip 1kohm 1/10W	RM73B-102J
				R503	247 0009 985	Chip 10kohm 1/10W	RM73B103J
			1	R504	247 0009 927	Chip 5.6kohm 1/10W	RM73B562J
			1	R505	247 0006 920	Chip 330ohrn 1/10W	RM73B-331J
			]	R506	247 0009 901	Chip 4.7kohm 1/10W	RM73B-472J
				P507	247 0005 989	Chip 220ohm 1/10W	RM73B221J
			1	R508,509	247 0006 920	Chip 330ohm 1/10W	RM73B-331J
			]	R510	247 0006 988	Chip 560ohm 1/10W	RM73B-561J
				R511	247 0012 927	Chip 100kohm 1/10W	RM73B104J
				R512	247 0009 914	Chip 5.1kohm 1/10W	RM73B512J
			1	R513	247 0005 915	Chip 100ohm 1/10W	RM73B101J
				R514	247 0008 986	Chip 3.9kohm 1/10W	RM73B-392J
				R515	247 0006 946	Chip 390ohm 1/10W	RM738391J
			]	R516	247 0005 947	Chip 150ohm 1/0W	RM73B151J
				R517	247 0000 947	Chip 10kohm 1/10W	RM73B-103J
				R518	247 0009 905	Chip John 1/10W	RM73B0R0K
				R519	247 0018 903	Chip 4.7kehm 1/10W	RM73B-472J
				R520	247 0003 907	Chip 82ohm 1/10W	RM73B-820J
				R521	247 0004 960	Chip 2.7kohm 1/10W	RM73B-272J
				R522	247 0000 944	Chip 33kohm 1/10W	RM73B-333J
				R523-525	247 0009 985	Chip 10kohm 1/10W	RM73B-103J
				P526	247 0009 965	Chip 3kohm 1/10W	RM73B-302J
				P527	247 0006 957	Chip 68kohm 1/10W	RM73B683J
				R528	247 0009 956	Chip 7.5kohm 1/10W	RM73B-752J
				P529	247 0009 936		RM73B-332J
				R530	247 0008 980	Chip 3.3kohm 1/10W	RM73B332J
			1	R532	247 0012 927	Chip 100kohm 1/10W	
				R533	247 0009 985	Chip 10kohm 1/10W Chip 1kohm 1/10W	RM73B103J RM73B102J
			1	H033	24/ 000/ 845	Unip rkonm 1/10W	rtm/30-102J
			1	- B534	247 0011 915	Chip 36kohm 1/10W	RM73B-363J

Ref. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks
A535	247 0010 974	Chip 24kohm 1/10W	RM73B243J	OTHERS	PARTS GRO	JP	
R536	247 0012 985	Chip 180kohm 1/10W	PM738184J	CF501,502	261 0064 007	Ceramic filter	SFT10.7MS2
R537	247 0012 998	Chip 200kohm 1/10W	RM73B204J	CF504	261 0101 009	:Ceramic filter	BFU450C4N
R538	247 0012 985	Chip 180kohm 1/10W	RM73B184J				
R539	247 0012 998	Chip 200kohm 1/10W	RM73B204J	CN8B.8C	205 0805 091	8P connector socket	
R540,541	247 0008 902	Chip 1.8kohm 1/10W	RM73B182J				
R542,543	247 0009 901	Chip 4.7kohm 1/10W	RM73B472J	FE501	216 0065 006	Front end	
R544	247 1007 986	Chip 1.5kohm 1/8W	RM73B2B152J				
R545	247 0009 985	Chip 10kahm 1/10W	PM73B103J	.T501	231 1913 004	MW antenna OSC coil	
R546	247 0012 927	Chip 100kohm 1/10W	RM73B104J	T502	231 2099 008	FM DET trans	
				T503	231 3904 008	:AM IFT	
010101	ORS GROUP			T504	232 9010 009	Antibirdie filter	
				T505.506	232 0085 004	:LPF	
C501~506	257 0012 966	Chip(Ceramic) 0.01µF/50V	CK78F1H108Z				
C507	267 0002 947	Chip(Ceramic) 12pF/50V	CC73SL1H120J	XL502	261 0103 007	:Resonator	CSB466F11
C508	254 4254 909	Electrolytic 10µF/16V	CE04W1C100M	XL503	399 0075 003	Crystal	7.2MHz
C509	257 0004 961	Chip(Ceramic) 100pF/50V	CC73SL1H101J		205 0847 004	3P antenna terminal(PAL/F)	
C510	257 0012 966	Chip(Ceramic) 0.01µF/50V	CK73F1H103Z		203 0526 031	1P Contact Ass'y	
C511	254 4260 906	Electrolylic 0.1µF/50V	CE04W1H0R1M	11			
C513	254 3056 917	Electrolytic 1µF/50V	CE04D1H010M8P	11 -			
		(Non-potar)		11			}
C514	257 0012 962	Chip(Ceramic) 0.022μF/50V	CK73F1H223Z	1			İ
C515,516	257 0002 976	Chip(Ceramic) 18pF/50V	CC73SL1H160J	11	l·		
C517	254 4254 938	Electrolytic 47µF/16V	CE04W1C470M	11			
C518,519	257 0012 966	Chip(Ceramic) 0.01μF/50V	CK73F1H103Z	1			
C520	254 4260 922	Electrolytic 0.33µF/50V	CE04W1HR33M	li			
C521	257 0012 966	Chip(Ceramic) 0.01µF/50V	CK73F1H103Z	II.	Į.		-
C522	254 4256 936	Electrolytic 47µF/25V	CE04W1E470M	II .	İ		
C523	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M	II .			
C524	254 4260 964	Electrolytic 3.3µF/50V	CE04W1H3R3M	II .			
C525	257 0012 982	Chip(Ceramic) 0.022μF/50V	CK73F1H223Z	11			
C526	257 0012 986	Chip(Ceramic) 0.01µF/50V	CK73F1H103Z	11			
C527	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M	H			
C528	254 4254 909	Electrolytic 10µF/16V	CE04W1C100M	II .	1		
C529	257 1013 951	Chip(Ceramic) 0.047µF/25V	CK73F1E473K				
C530	254 4254 912	Electrolytic 22µF/16V	CE04W1C220M	II.	l		
C531	257 0004 961	Chip(Ceramic) 100pF/50V	CC73SL1H101J	II			
C532	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M	II			
C533	254 4260 919	Electrolytic 0.22µF/50V	CE04W1HR22M	II			
C534	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M	H			
C535,536	257 0012 966	Chip(Ceramic) 0.01µF/50V	CK73F1H103Z				
C537	254 4254 912	Electrolytic 22µF/16V	CE04W1C220M	H			
C538	254 4254 938	Electrolytic 47µF/16V	CE04W1C470M	11	!		i
C539,540	257 0005 960	Chip(Ceramic) 270pF/50V	CC73SL1H271J				
C541	254 4280 951	Electrolytic 2.2µF/50V	CE04W1H2R2M	I			
C545	253 0012 966	Chip(Ceramic) 0.01µF/50V	CK73F1H103Z				
C548	254 4260 961	Electrolytic 2.2µF/50V	CE04W1H2R2M		1	1	
C550,551	254 4260 948	Electrolylic 1µF/50V	CE04W1H010M				
C553,554	257 0012 966	Chip(Ceramic) 0.01µF/50V	CK73F1H103Z				
C555	256 1034 937	Metalized 0.047µF/50V	CF93A1H473J				
C561	257 0012 966	Chip(Ceramic) 0.01µF/50V	CK73F1H103Z	II	I	l <sup>·</sup>	I .

#### KU-9328 DISPLAY UNIT ASS'Y

Ref. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks
SEMICON	IDUCTORS G	ROUP		CAPACITO	ORS GROUP		
IC601	262 2249 001	IC TMP87CM71F-6348		C300	257 0012 966	Chip(Ceramic) 0.01µF/50V	CK73F1H103Z
IC602	263 0905 900	IC BA6208F		C301,302	257 0006 943	Ceramic 560pF/50V	CC73SL1H561J
				C303.304	255 1265 978	Film 0.022µF/50V	CQ93M1H223J(B)
ZD651	276 0654 901	Zener diode DTZ8.2B		C361,362	257 0004 961	Ceramic 100pF/50V	CC73SL1H101J
				C363,364	255 1265 981	Film 0.027µF/50V	CQ93M1H273J(B)
		L		C365,366	256 1034 982	Metalized 0.12µF/50V	CF93A1H124J
		Not included carbon f		C367,368	255 1264 924	Film 1500pF/50V	CQ93M1H152J(B)
VR301	211 0841 018	Valiable 100kohm	V14P22FW104K	C369.370	255 1265 936	Film 0.01µF/50V	CQ93M1H103J(B)
VR302	211 0831 002	Valiable 100kohm	V1620V25FB104(MG)				
VR303	211 0842 017	Valiable 250kohm	V14P22FC254K	C651	257 0012 966	Chip(Ceramic) 0.01µF/50V	CK73F1H103Z
VR304	211 0843 016	Valiable 50kohm	V14P22FC503K	C652	254 4300 963	Electrolytic 100µF/6.3V	CE04W0J101M(SRE
VR307	211 9131 004	Valiable 100kohm	V14P22FB104K	C653	257 0012 966	Chip(Ceramic) 0.01µF/50V	CK73F1H103Z
				C655	254 4299 964	Electrolytic 47µF/16V	CE04W1C470M(SRE
R301,302	247 0011 928	Chip 39kohm 1/10W	RM73B393J	C657	257 0012 982	Chip(Ceramic) 0.022uF/50V	CK73F1H223Z
R303,304	247 0009 943	Chip 6.8kohm 1/10W	RM73B682J	C666	257 0004 961	Ceramic 100oF/50V	CC73SL1H101J
R361,362	247 0011 973	Chip 62kohm 1/10W	RM73B-623J	"			
R363,364	247 0009 998	Chip 11kohm 1/10W	RM73B113J		1		
R365,366	247 0008 931	Chip 2.4kohm 1/10W	RM73B242J		PARTS GRO		
R367,368	247 0013 984	Chip 470kohm 1/10W	RM73B474J	CB8D	205 0919 026	8P JQ socket(Side)	
R369,370	247 0010 945	Chip 18kohm 1/10W	RM73B183J	CN29D	205 0990 045	29P FFC connector base	
R371,372	247 0009 943	Chip 6.8kohm 1/10W	RM73B682J	CN6A,6C	205 0917 002	6P bottom plug	
R373,374	247 0006 917	Chip 300ohm 1/10W	RM73B301J	CN8A	205 0917 015	8P bottom plug	
R375,376	247 0011 944	Chip 47kohm 1/10W	RM73B473J	CN8D	205 0408 045	8P JQ socket	
R379,380	247 0009 901	Chip 4.7kohm 1/10W	RM73B472J				
				FL401	393 4155 002	FL tube	FIP14AM7R
R651	247 1009 900	Chip 4.7kohm 1/8W	RM73B2B472J				
R652~657	247 0009 985	Chip 10kohm 1/10W	RM73B103J	JK201	204 8354 017	Head phone jack	Black model
R665	247 0007 945	Chip 1kohm 1/10W	RM73B102J	JK201	204 8355 003	Head phone jack	Gold model
R666	247 0005 976	Chip 200ohm 1/10W	RM73B201J				
R667	247 0006 917	Chip 300ohm 1/10W	RM73B301J	RM601	499 0150 008	Remote sensor	SBX1610-52
R668	247 0007 945	Chip 1kohm 1/10W	RM73B102J				
R669	247 0005 976	Chip 200ohm 1/10W	RM73B201J	SW302,303	212 1140 009	Push switch(ESB6440)	
R670	247 0006 917	Chip 300ohm 1/10W	RM73B301J	SW601~617	212 5604 910	Tact switch	
R671	247 0007 945	Chip 1kohm 1/10W	RM73B102J	i			
R672	247 0005 976	Chip 200ohm 1/10W	RM73B201J	XL651	399 0261 901	Resonator	DCRH4.00M
R673	247 0006 917	Chip 300ohm 1/10W	RM73B-301J		414 0740 006	Shield plate	
R674	247 0006 975	Chip 510ohm 1/10W	RM73B511J				
R675	247 0007 945	Chip 1kohm 1/10W	RM73B-102J				
R676	247 0007 945	Chip 1kohm 1/10W	RM73B102J				
R677	247 0005 976	Chip 200ohm 1/10W	RM738-201J				
R678	247 0006 917	Chip 300ohm 1/10W	RM73B301J				
R679	247 0006 975	Chip 510ohm 1/10W	RM73B-511J				
R680	247 0007 945	Chip 1kohm 1/10W	RM73B102J				
R681	247 0009 985	Chip 10kohm 1/10W	RM73B103J				
R682,683	247 0009 985	Chip 10kohm 1/10W	RM73B103J				_
R685	247 0008 957	Chip 3kohm 1/10W	RM73B-302J	1			
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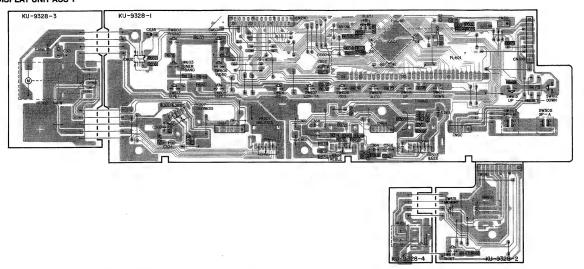
#### 11L2015 POWER LINIT ASS'V

Ref. No.	Part No.	Part Name	Remarks
	ORS GROUP		
Δ6411		Ceramic 0.01µF/400V AC	CK45F2GA103MC
nenderski prazisti			
OTHERS	PARTS GRO	JP	CK45=1E103K
∆AC401	203 3951 004		Except to U.K
∆ CN2A	203 2349 009		- Sandke to Con.
CN3A		2P VH connector base	
ΔF401	206 1075 090		15.55
ΔF402	206 1075 001	Fuse(1A)	Except to U.K.
△SW401		Power avetch/TV-5)	400
		Condencer cover	
	202 0040 909	Fuse clip	
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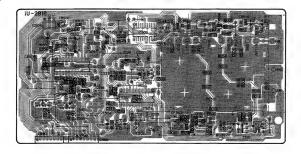
# PRINTED WIRING BOARD PATTERNS 1U-2915 POWER UNIT ASS'Y 1U-2817 MAIN UNIT ASS'Y 10-2915-1 D 10-2817-1

1 , 2 , 3 , 4 , 5 , 6 , 7 , 8

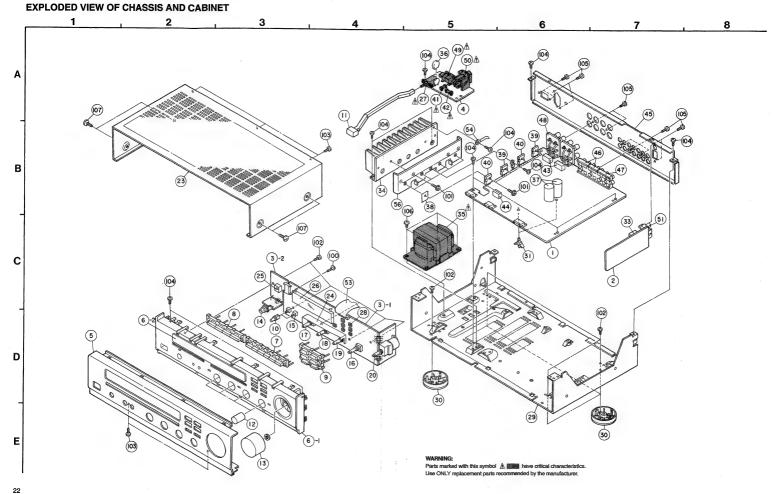
#### KU-9328 DISPLAY UNIT ASS'Y



#### **1U-2818 TUNER UNIT ASS'Y**



21



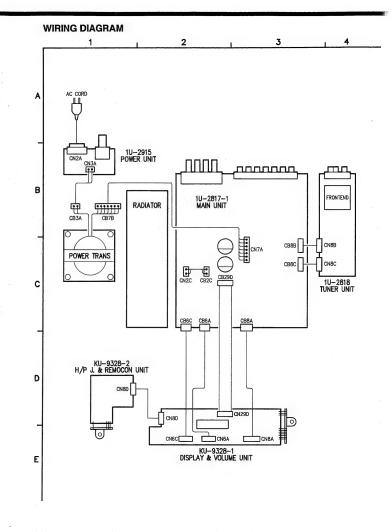
#### PARTS LIST EXPLODED VIEW

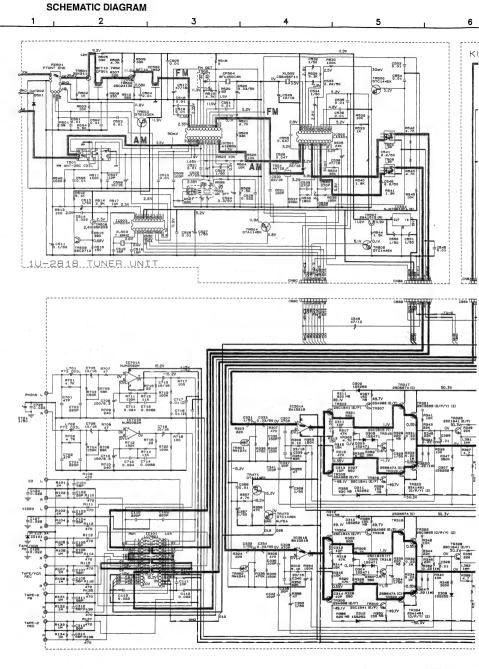
#### \* Gold model = Except to U.K.

	* Gold model = Except to U.K.								
Ref. No.	Part No.	Part Name	Remarks	Q'ty	Ref. No.	Part No.	Part Name	Remarks	Q'ty
<b>⊕</b> 1	1U- 2817 E	Main unit Ass'y	Europe model	1	● 36	415 0299 000	Capacitor cover		1
	-				37	254 6201 002	Electrolytic capacitor	C257,258	2
● 1	1U-2817 F	Main unit Ass'y	U.K. model	1	38	415 0234 007	Insulating sheet		4
	-				39	271 0240 006	Transistor 2SA1491(O/P/Y)	TR323,324	2
⊛ 2	1U- 2818	Tuner unit Ass'y		1	40	273 0389 002	Transistor 2SC3855(O/P/Y)	TR321,322	2
<b>⊛</b> —3	KU- 9328	Display unit Ass'y		1	△ 41	206 1075 030	Fuse (2.0A)	F401	1
r3-1	-	Display & Volume unit			<b>∆</b> 42	206 1075 001	Fuse (1A)	Except to U.K.	1
L <sub>3-2</sub>	_	H/P J.& Remocon unit			43	214 0167 005	Relay(G5Z-2A)	RL451,452	2
4	1U- 2915	Power unit Ass'y		1	44	214 0127 003	Relay(RY-12W)	RL453	1
5	144 2487 002	Front panel	Black model	1	⊕ 45	105 1187 104	:Rear panel	Europe model	1
• 5	144 2487 015	Front panel	Gold model	1	⊕ 45	105 1187 117	:Rear panel	U.K model	1
® ┌6-1	146 1602 004	Inner panel Ass'y	Black model	1	46	204 8485 009	4P pin jack(S-GND)		2
L <sub>6-2</sub>	143 9187 001	(Window)			47	204 8486 008	6P pin jack(S-GND)		1
⊕ _ 6-1	146 1602 017	Inner panel Ass'y	Gold model	1	48	205 0484 001	8P speaker terminal	Europe model	1
6-2	143 9187 001	(Window)			48	205 0472 013	8P speaker terminal	U.K model	1
7	113 9325 008	Series button (A)	Black model	1	₫ 49	203 2349 009	2P inlet	CNZA	1
7	113 9325 011	Series button (A)	Gold model	1	△ 50	203 3961 004	1PAC outlet	Except to U.K.	
8	113 9326 007	Series button (B)	Black model	1	● 51	205 0847 004	3P antenna terminal(PAL/F)		1
8	113 9326 010	Series button (B)	Gold model	1	53	009 0134 009	29P FFC cable		1
9	113 9324 229	Function button	Black model	1	54	445 0048 003	Cord holder(L=76)		1
9	113 9324 232	Function button	Gold model	1	56	417 0520 102	Sub radiator		1
10	113 9323 000	Push button (SP)	Black model	2					
10	113 9323 013	Push button (SP)	Gold model	2	SCREWS			L	
11	113 1721 105	Power button Ass'y	Black model	1		-		1	1
11	113 1721 011	Power button Ass'y	Gold model	1	100	477 0262 006	Special screw		1
12	112 0739 001	:*Knob (Maru)	Black model	4	101	473 8007 009	Cup screw 3x12		8
12	112 0739 014	:*Knob (Maru)	Gold model	4	102	473 7500 044	Screw 3x8 (P) BK		9
13	112 0737 029	:*Volume knob	Black model	1	103	473 7015 018	Screw 3×8 (S) BK		5
13	112 0737 032	:*Volume knob	Gold model	1	104	473 7002 018	Screw 3×8 (S)		12
14	204 8354 017	Head phone jack	Black model	1	105	477 8057 004	Fixing screw 3×10 BK		- 11
14	204 8355 003	Head phone jack	Gold model	1	106	473 7004 016	Screw 4×6 (S)		4
15	212 1140 009	Push switch(ESB6440)	SW3002.303	2	107	473 7007 013	Screw 4×10 (S) BK	Black model	4
16	211 9131 004	Variable resistor	VR307	1	107	473 4801 005	Screw 4×8	Gold model	4
17	211 0842 017	Variable resistor	VR303	1					
18	211 0843 016	Variable resistor	VB304	1	ll .		1		
19	211 0841 018	Variable resistor	VR301	1	ll .				
20	211 0831 002	Variable resistor	VR302	1	ll .				
● 23	102 0571 013	Top cover	Gold model	1					
⊕ 23	102 0571 000	Top cover	Black model	1	li				1
⊕ 24	414 0740 006	Shield plate		1					1
25	499 0150 008	Remote sensor	SBX1610-52	1	ll .				
26	393 4155 002	FL tube	FIP14AM7R	1	1				
A 27	212 1031 008	Power switch (TV-5)			1				
28	212 5604 910	Tact switch			11				
		SW601~603.605~617		16	II				
<b>®</b> 29	411 1323 300	Chassis		1	II .				1
● 30	104 0230 101	:Foot Ass'y		4	1				
	449 0033 049	Locking card spacer	1	2					
33	216 0065 006	Front end		1	.				1
⊕ 34	417 0529 006	:Power radiator		1	ll .		1		
Δ 35	233 6194 002	CONTRACTOR CONTRACTOR		4					1
					11			l	1

#### DACKING & ACCEPCODIES

D-4 M-	Don't Ma	B-4N	Barranto.	Tour.
Ref. No.	Part No.	Part Name	Remarke	Q'ty
•	505 0283 018	:Envelope		1
•	011 2010 001	Operating instructions		1
		AM loop antenna		1
		:*FM antenna Ass'y		1
		Remoto control unit	RC-174	1
Δ	206 2106 003	::AC connectorWith plug	Europe model	1
Δ	206 2113 001	AC coroWith connector	U.K model	1
•	505 0131 050	Cabinet cover		1
9	503 1140 109	:Cushion		2
	501 1871 045	Carton case		1
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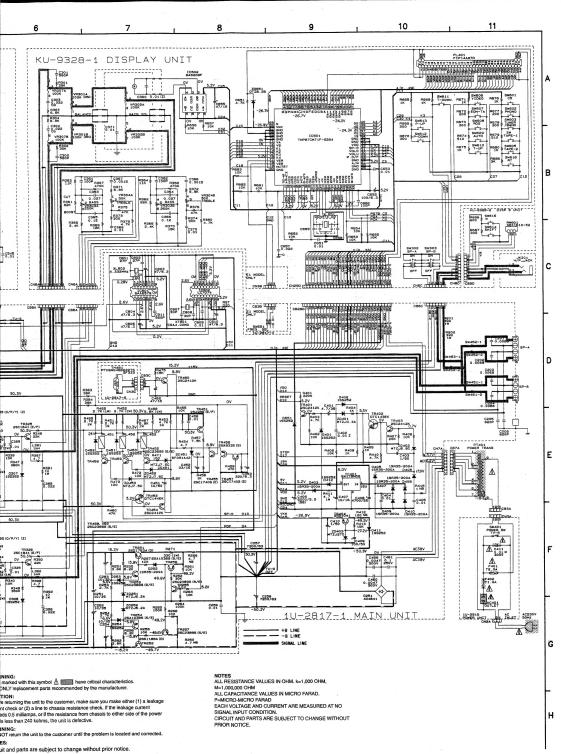




WARNING: Parts marked with this symt Use ONLY replacement par CAUTION: Before returning the unit to 1 current check or (2) a line to exceeds 0.5 milliamps, or if cord is less than 240 kohms

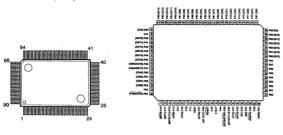
exceeds 0.5 milliamps, or if cord is less than 240 kohms WARNING: DO NOT return the unit to the NOTES:

Circuit and parts are sub

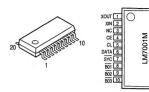


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#### TMP87CM71F-6348 (IC601)



#### LM7001 (IC503)



TMP8	7CM71F	Port /	Allocati	on Tabl	e
Pin	Symbol	. NO	Logic	Initial	I

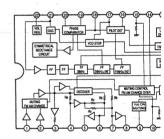
No.	9,000	1.0	cogo	Setting	T GROOM	No.	Symbo	100	coge	Setting	Funda
1	STOP	1	L	-	Power down detection ("L" = at power down).	40	5G .	0	-	-	FI, tube control output for 5G.
2	MUTE (A)	1	_		MUTE (A) output ("H" = MUTE)	41	6G	0	-	-	FL Tube control output for 6G.
,	RDS	1 1	Serial	-	RDS data (start) input.	42	70	0	-	-	FL Tube control output for 7G.
4	RES	0	L	н	LC7074 reset output	43	86	0	-		FL Tube control output for 8G.
5	GND	1	Serial	-	Not used.	44	93	0		-	FL Tube control output for 9G.
6	FCK	0	Seriel	L	Function control output (I,C7821) for F-CK.	45	10G	0	_	-	FL Tube control output for 10G.
7	FDA	0	Serial	L	Function control output (LC7821) for F-DATA.	46	11G	0	-		FL Tube control output for 11G.
8	F STB	0	н	L	Function control output (LC7821) for F-STB.	47	12G	0	-	-	FL Tube control output for 12G.
9	GND	1	-	-	Connect to GND.	48	130	0	_		FL Tube control output for 13G.
10	SO .	1	L	-	Tuned signal input ("L" + at tuned in).	49	14G	10	_		FL Tube control output for 14G.
11	GND	1	_	-	Not used.	50	SO (a)	0	_	_	FL Tube control output for P(a).
12	RESET	11	L	-	Reset input.	51	S1 (b)	0	_	-	FL Tube control output for P(b).
13	XIN	1	-	_	Oscillation circuit (4MP/zr).	52	S2 (c)	0	-	_	FL Tube control output for P(c).
14	XOUT	1	-		Oscillation circuit (4MHz).	53	S3 (d)	0			FL Tube control output for P(d).
15	Yes	PW	-		GND	54	S4 (e)	0	-	-	FL Tube control output for P(s).
16	GND	1	-	-	GNO	55	S5 (f)	0	_	-	FL Tube control output for P(f).
17	REM	1	L	_	Remote control signal input.	56	\$8 (g)	0	-	-	FL Tube control output for Pigg.
18	ST	1 1	L	-	Stereo signal input ("L" = at stereo).	57	S7 (h)	0		-	FL Tube control output for P(h).
19	BCK	1	Serial	_	RDS data (clock) inout.	58	58 @	0	-		FL Tube control output for P(j).
20	RDA	1	Series	-	RDS data (data) input.	59	59 (k)	0	-	-	FL Tube control output for P(k).
21	GND	1	-	-	Not used.	60	\$10 (m)	0	-	-	FL Tube control output for P(m).
22	PCK	0	Serial	L	LM7001 control output for PLL-CK (CL).	61	St1 (n)	0	-		FL Tube control output for p(n).
23	PDA	0	Serial	L	LM7001 control output for PLL-DATA (DATA).	62	S12 (p) -	0	-	-	FL Tube control output for P(p).
24	PSTB	0	н	L	LM7001 control output for PLL-STB (CE).	63	\$13 (q)	0	-	-	FL Tube control output for P(q).
25	GND	0	-	L	GND	64	S14 (r)	0	-	-	FL Tube control output for P(r).
26	GND	0	-	L	GND -	65	\$15 (s)	0	-	-	Ft. Tube control output for P(s).
27	AM	0	L	L	AUTOMANUAL control.	86	Vikk	PW	-	-	-15V
28	GND	1	-	-	Not used.	67		1	_		
۵-	POF	0	н	L	Power control output ("H" = ON).	11,	GND	1 .	-	-	GND
30	VR-UP	0	н	L	Power volume control output (LB1639 ON x at "H").	1 70		1			
31	VR-D	0	н	L	Power volume control output (LB1639 ON = at "H").	71	VA	0	L	н	Video In/Out control ("L" + at selection) BV4066.
32	SP-R	0	н	L	Speaker relay control output (ON = at "H").	72	VB	0	L	н	Vicino (n/Out control ("L" = at selection) (6V4068.
33	Von	PW	-	-	+5V	73	K1	1	-	-	Key input (A/D conversion input).
34	GND	1	-	-	GND	74	K2	1 1	-	-	Key input (A/D convention input).
35	GND	1	_	-	GND	75	K3	1	-	~	Key input (A/D conversion input).
36	16	0	-	-	FL tube control output for 1G.	76	K4	1	-	_	Key input (A/D convention input).
37	26	0	-	-	Fl. tube control output for 2G.	77	VER	Ti	-	-	Forwarding country setting.
38	36	0	-	-	FL tube control output for 3G.	78	VER	Ť	1-	-	Specification setting.
39	46	0	_	-	Fl. tube control output for 4G	79	MUTE (T)	0	н	н	MUTE output ("H" = MUTE).
-		, 0			I I I I I I I I I I I I I I I I I I I	80	GND	1	+	-	GND

Pin Symbol I/O Logic Initial

LA3401 (IC502)



BA620



#### • TRANSISTORS





#### 2SB647A(C) 2SB1041(R) 2SD667A(C)



2SA933S(S)

2SA1038S(S/E)

2SC2389S(S/E)

2SC1740S(E)

2SB1328(P) 2SD2004(P)



Digital T	ransistor
(Built in	Resistors)



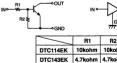
1:GND/Em

DTA114EK
DTB123EK
DTC114EK
DTC143EK
DTC144EK
(Chip)

#### R1 R2 DTA114EK 10kohm 10koh DTB123EK 2.2kohm 2.2koh

DTA · DTBEK Series

#### **DTCEK Series**



	R1	R2
DTC114EK	10kohm	10ko
DTC143EK	4.7kohm	4.7ko
DTC144EK	47kohm	47ko

#### 2SA1491 (O/P/Y) (TR323,324) 2SC3855 (O/P/Y) (TR321,322)



#### 2SB1186A (D) 2SD1763A (D)

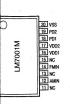


#### RN-1241(A/B)



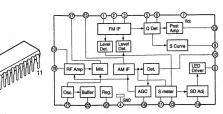
RN-1241







LC7821 (IC101)



#### NJM78M12FA (IC504) BA178M06 (IC401)

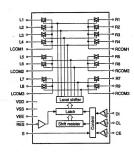


BA6208F (IC602)

TRIGGER







NJM2082MD (IC701)





SAA6579T (IC801)



-1-	QUAL	Quality indication output.
2	RDDA	RDS data output.
3	V <sub>ref</sub>	Reference voltage output (0.5 VDDA).
4	MUX	Multiplex signal input.
5	VDDA	+5 V supply voltage for analog part.
. 6	Vssa	Ground for analog part (0 V).
7	CIN	Subcarrier input to comparator.
8	SCOUT	Subcarrier output of reconstruction filter.
9	TSTLD	Test control.
10	TEST	Test enable.
11	Vsso	Ground for digital part (0 V).
12	VDDD	+5 V supply voltage for digital part.
13	OSCI	Oscillator input.
14	osco	Oscillator output.
15	T57	57 kHz clock signal output.
16	RDCL	RDS clock output.

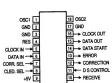
BA15218F (IC301)





LC7074M (IC802)





#### EK Series



R1	R2	
kohm	10kohm	
kohm	2.2kohm	



	GND 777		
R1	R2		
kohm	10kohm		
kohm	4.7kohm		
kohm	47kohm	1	

#### 2SK209 (Y/GR) 2SA1037 (S/R) 2SC2412 (S) 2SC2413K (Q) 2SC2712 (Y/GR) DTB123EK







155252



152471



DIODES (included LED)





4D4B42

SF0R1A42



#### 2SK211 (Y/RG)





#### 1SR35-200 (A)



DAP202K (Chip)

#### DAP202K



DTZ8.2B



#### SBX1610-52 (Remote Control Sensor)

